

植 物 研 究 雜 誌

THE JOURNAL OF JAPANESE BOTANY

第十三卷 第六號 (通卷第百三十號) 昭和十二年六月發行

Notulæ ad Plantas Asiæ Orientalis (I)*

T. NAKAI

中井猛之進：東亞植物拾遺 (其一)

1) *Pæonia albiflora* PALLAS β . *trichocarpa* BUNGE, Enum. Pl. China bor. colleg. seorsim impress. 3 no. 14 (1831), in Mém. sav. étrang. Acad. Sci. St. Pétersb. II, 77 no. 14 (1832); WALPERS, Repert. I 61, no. 3 (1842); MAXIMOWICZ in Acta Hort. Petrop. XI, 34 no. 67 (Pl. Chinenses) (1890); HUTH in ENGLER, Bot. Jahrb. XIV, 265 (Monogr. Gattung *Pæonia*) (1892); NAKAI in Journ. Coll. Sci. Tokyo XXVI art. 1, 36 (Fl. Kor. I) (1909).

Planta hortulana. Folia subtus glabra. Perigonia colore varia. Ovaria dense villosa.

forma **nuda** NAKAI.

Folia subtus ab initio glaberrima. Perigoniorum segmenta 6-7 alba. Planta spontanea.

Nom. *Tô-Shakuyaku*.

Hab. in

Korea. Prov. Kanhoku: Mt. Mozanrei (T. NAKAI, Jun. 9, 1909—typus in Herb. Univ. Imp. Tokyoensis).

Jehol. Karachin (R. TORII, 1906).

forma **pilosella** NAKAI.

Folia subtus supra venas primarias erecto-pilosella. Perigoniorum segmenta 5-6 alba. Planta spontanea.

* This paper is continued from Notulæ ad Plantas Japoniæ & Koreæ XLVIII ended in page 586 of Tokyo Botanical Magazine XLIX, and will be kept onward.

Nom. Jap. *Kôrai-Shakuyaku*.

Hab. in

Korea. Prov. Keiki : Kôryô (Tei, Maio 6 1935—typus in Herb. Univ. Imp. Tokyoensis).

Prov. Kannan : Genzan (T. NAKAI, Jun. 9. 1909).

2) ***Paeonia japonica*** MIYABE & TAKEDA in Gard. Chron. 3 sér. XLVIII pt. 2, 366 fig. 153 (1910); FEDDE, Repert. XII, 319 no. 109 (1913); TAKEDA in MAKINO, Journ. Jap. Bot. III no. 6 [136] fig. in [135] (1926); SAUNDERS in New Flora & Silva IV no. 1, 55 (1931); MAKINO & NEMOTO, Fl. Jap. ed. 2, 332 (1931); NEMOTO, Suppl. Fl. Jap. 224 (1936).

Syn. *Paeonia albiflora* (non PALLAS) MIQUEL in Ann. Mus. Bot. Lugd. Bat. III, 9 (1867), pro parte, Prol. Fl. Jap. 197 (1867), pro parte; FRANCHET & SAVATIER, Enum. Pl. Jap. I, 14 (1874), pro parte.

Paeonia obovata var. *japonica* MAKINO in Tokyo Bot. Mag. XVI, 59 (1902); MATSUMURA, Ind. Pl. Jap. II pt. 2, 118 (1912), Shokubutsu Mei-I rev. et enlarg. ed. II, 271 (1916); MAKINO & NEMOTO, Fl. Jap. ed. 1, 977 (1925).

Paeonia Wittmanniana (non LINDLEY) FINET & GAGNEPAIN in Bull. Soc. Bot. France LI, 525 (1904) pro parte; Contrib. Fl. Asiæ Orient. I, 222 (1904), pro parte.

var. ***typica*** NAKAI.

Folia subtus ab initio glaberrima.

Nom. Jap. *Yama-Shakuyaku*.

Hab. in

Hondo. Prov. Musasi : in monte Takaosan (R. YATABE, Aug. 24, 1879); in monte Mitake (Y. YABE, Mai. 14, 1900); in monte Takaosan (T. NAKAI, Apr. 29, 1922).

Prov. Rikuchu : ad finem Shimoheigun (G. TOBA, Jun. 12, 1927).

Prov. Suruga : Subasiri (Y. SATAKE, Mai. 26, 1935).

Prov. Hôki : in monte Daisen (M. FURUMI, Jun. 1, 1914).

Prov. Ugo : Yuzawa (Y. SATAKE, Aug. 20, 1932).

Korea. Prov. Keiki : Kôryô (Tei, Mai. 5, 1935).

var. **pilosa** NAKAI, var. nov.

Folia sub anthesin subtus hirsuta.

Nom. Jap. *Ke-Yama-Shakuyaku*.

Hab. in

Korea. Prov. Heinan : in monte Rôrinsan (TEI, Jun. 14, 1936—typus in Herb.

Univ. Imp. Tokyoensis).

Prov. Keiki : Koryo (TEI, Mai. 6, 1935).

Sikoku. Prov. Awa : in monte Kôdzusan (J. NIKAI no. 1548, Maio 14, 1905).

Hondo. Prov. Yamasiro : Kibune Asogoe (Z. TASIRO, Maio 15, 1929).

Prov. Suruga : Subasiri (Y. SATAKE, Maio 26, 1935).

3) **Astilbe divaricata** NAKAI, sp. nov.

Syn. *Astilbe chinensis* MAXIMOWICZ var. *divaricata* NAKAI in Tokyo Bot.

Mag. XL, 464 (1926), Fl. Sylv. Kor. XV, 16 (1926).

Nom. Jap. *Yatimata-Tidakesasi*

Hab. in

Kiusyu : Prov. Hizen : in monte Unzendake (KIKUE IWANAGA Aug. 1928).

Prov. Bungo : Kamiyû (TADANAGA SENGOKU, Aug. 18, 1925).

4) **Agrimonia pilosa** LEDEBOUR f. **davurica** NAKAI in Tokyo Bot. Mag. XLVII, 245 (1933).

Nom. Jap. *Dahuria-Kin-Midzuhiki*.

Hab. in

Korea. Prov. Keiki : Seiryôri (TEI, Aug. 13, 1936).

Distr. Sibiria Altaica, Dahuria, Mongolia orient.

5) **Cryptomeria Mairei** (LÉVEILLÉ) NAKAI, comb. nov.

Syn. *Cupressus Mairei* LÉVEILLÉ, List Pl. Yunnan 56 (1916), cum diagn.

Cryptomeria Kawaii HAYATA in Tokyo Bot. Mag. XXXI, 117 (1917).

Habitat in Yunnan.

I can not agree with the opinion of many botanists who mix the Chinese *Cryptomeria* with the Japanese. The home of Chinese *Cryptomeria* is too much detached from the Japanese, the southern most limit of the latter being the Island Yakusima located in the south end of Kiusiu. This is the same

case with the relation between *Pinus Armandii* and *Pinus amamiana* which had also been mixed before. The Chinese species has narrower leaves and shorter appendages of the scales which give more rounded appearance to the cones.

6) *Aconitum Raddeanum* (non REGEL) KOMAROV & ALISOVA, Key Pl. Far East. Reg. USSR I, 536 t. 163 (1931) = ***Aconitum Uchiyamai*** NAKAI in Journ. Coll. Sci. Tokyo XXVI art. 1, 31 t. III (1909).

7) ***Aconitum Fischeri*** REICHENBACH, Illus. Spec. Aconiti Gen. t. XXVIII (1823-7).

var. ***leiogynum*** NAKAI, var. nov.

Ovaria toto ab initio glaberrima. Flores cæruleo-violacei.

Nom. Jap. *Hokusen-Ôbusi*.

Hab. in Korea.

Prov. Kannan : in silvis Piceæ inter trajectum Unsuirei et montem Shazituhô, 1900-2000 m. alt., ubi creberrime crescit. (T. NAKAI no. 15430, Aug. 16, 1935—typus in Herb. Univ. Imp. Tokyo).

var. ***leiogynum*** forma ***leucanthum*** NAKAI, nov. forma.

Flores candidi vel partim dilutissime violascenti-suffusi.

Nom. Jap. *Sirobana-Hokusen-Ôbusi*.

Hab. in eodem loco cum forma *typica* (T. NAKAI no. 15431, Aug. 16, 1935) ;
in herbidis montis Shazituhô 2200 m. (T. NAKAI no. 15432, Aug. 16, 1935).

This has upright stem as *Aconitum Fischeri* of Kamtschatka and Saghaline, which is exhibited in the excellent figure in REICHENBACH'S Illustratio Specierum Aconiti Generis t. XXVIII. However, in that figure, the ciliæ along the ventral suture of ovaries are seen, though REICHENBACH has not mentioned of in the text. This Korean plant grows under the dry forest of *Picea ajanensis* abundantly, and its violet flowers are wonderfully beautiful. *Aconitum arcuatum* MAXIMOWICZ is undoubtedly the nearest species, but it grows in more wet place and is haunted in the valleys. Its stem is more slender, and can not stand itself without the supports of shrubs or some other stout herbs.

8) **Aconitum paniculigerum** NAKAI in Tokyo Bot. Mag. XXXIV, 41 (1920).

var. **leiogynum** NAKAI f. **typicum** NAKAI.

Syn. *Aconitum paniculigerum* NAKAI, l.c. pro parte.

Inflorescentia præcipue pedicelli patentim villosi. Ovaria glaberrima.

Nom. Jap. *Yatimata-busi*.

Hab. in Korea.

Prov. Kanhoku : in trajectu Kapporei 1300 m (T. NAKAI no. 3168, Aug. 19, 1914—typus).

var. **leiogynum** f. **ochroleucum** NAKAI, nov. f.

Flores decolores ita toto ochroleuci.

Nom. Jap. *Usuki-Yatimata-Busi*.

Hab. in Korea.

Prov. Kannan : in monte Hakuganzan (T. NAKAI no. 15438, Aug. 14, 1935—typus).

var. **leiogynum** f. **glabrescens** NAKAI, nov. f.

Pedicelli sub flores tantum patentim hirtelli. Ovaria glaberrima.

Nom. Jap. *Manshû-Yatimata-Busi*.

Hab. in Manshuria.

Prov. Kirin : prope Wei-Hu-Ling, ubi sat vulgaris (M. KITAGAWA, Aug. 31, 1936—typus).

var. **lasiogynum** NAKAI, var. nov.

Syn. *Aconitum paniculigerum* NAKAI, l.c. pro parte.

Pedicelli patentim villosi. Ovaria villosa.

Nom. Jap. *Rashami-no-Yatimata-Busi*.

Hab. in Korea.

Inter prov. Kanhoku & Kannan : in trajectu Saikarei (T. MORI no. 224, Aug. 1913—typus).

9) **Aconitum** (*Euchylodea*)* **tenuissimum** NAKAI, sp. nov.

Aconitum karafutense MIYABE & NAKAI in NAKAI, Iconogr. Pl. Asiæ Orient.

* *Aconitum* sect. *Euchylodea* REICHENBACH, Monographia Generis Aconiti 32 (1820),

I no. 3, t. XXVII (1936) est huic appropinquat, sed foliorum lacinis angustioribus, floribus minoribus, ovariis tribus villosis exquo bene dignoscendum.

Radix ignota. Caulis erectus cum inflorescentia circ. 90 cm altus fistulosus teres basi circ. 2 mm latus toto minutissime recurvato-ciliolatus supra medium ramosus, ramis flexuosis valde flagellatim elongatis indivisis vel divisus et terminali 1-2 floriferis. Folia radicalia in anthesi emarcida nostris ignota, caulina inferiora longius petiolata et in anthesi perdidit, suprema subsessilia, omnia pedatim 5-partita 1-4 cm longa 1.5-5 cm lata; segmenta lineari-dissecta, lacinis 1-1.2 mm latis margine revolutis supra luciduseculis circa marginem minutissime accumbente ciliolatis, subtus pallidis supra venas primarias accumbente ciliolatis. Racemus 7 cm longus oliganthus, flore infimo valde distante, axis minute recurvato-ciliolata; pedicelli 7-15 mm longi dense minute recurvato-ciliolati supra medium bibracteolati. Flores intense cæruleo-violacei; cassis 13-15 mm alta laterali-compressa, dorsiventrali 6-7 mm lata minute accumbente ciliolata, antice conspicue rostrata; sepala lateralia circ. 10 mm longa et lata extus infra medium minute ciliolata intus glabra vel medio hirtella. Nectaria elongata postico breve adunca. Stamina numerosa glabra; filamenta parte dilatata alba edentata, angusta violascenti et curvata; antheræ subrotundatæ 1 mm longa. Ovaria tria villosa in stylum glabrum attenuata.

Nom. Jap. *Ito-Udzu*.

Hab. in Manshuria.

Prov. Hsing-an: in herbis Buheto, inter herbas altas cum *Aconito macro-rhyncho* crescit (M. KITAGAWA, Aug. 24, 1936—typus).

10) **Aconitum** (*Euchylodea*) **pseudoproliferum** NAKAI, sp. nov.

Radix biennis obovato-fusiformis 2-3 cm longa atro-fusca in radices fibrosas elongatas attenuata. Caulis teres 120-150 cm longus basi erectus et apice arcuato-descendens, glaberrimus lucidus, basi circ. 5 mm latus, medio 3 mm latus et apice flagellato-elongatus. Folia radicalia in anthesi emarcida nostris ignota, caulina petiolata tripartita segmentis medianis ambitu rhombeis basi in petiolulum cuneato-attenuata apice acuminata laterali pinnatim incis, lacinis apice mucronatis, supra viridia præter venas primarias accumbente

ciliolatas glaberrima opaca, subtus pallida glaberrima, margine ciliolata, segmenta lateralibus bipartita, partitione interiore rhombea. Corymbus ex axillis foliorum in medio caulis evolutus 2-4 florus. Pedicelli elongati 3.5-4 cm longi patentim hirtelli vel villosuli, infra medium bibracteati. Sepala cæruleo-violacea. Cassis 3 cm alta antice conspicue rostrata erecto-pilosa. Sepala lateralibus subrotundata extus erecto-pilosa, intus hirsuta 15 mm longa. Sepala inferiora oblonga extus erecto-pilosa, intus hirsuta 12-15 mm longa 3-5 mm lata. Stamina glaberrima; filamenta bidentata. Ovaria tria divaricata glabra. Pars caulis superior flagellata axillari-prolifera.

Nom. Jap. *Inu-Mukago-Torikabuto*.

Hab. in Korea.

Prov. Keiki : in silvis Kôryô (TEI, Aug. 18, 1936—typus).

With bulbulets in the axilla of the leaves in the upper part of stem which elongates like a whip, this species is closely allied to *Aconitum proliferum* NAKAI. But, in the latter, plant never flowers and propagates with the axillary bulbs and roots only.

11) ***Aconitum albo-violaceum*** KOMAROV in Acta Hort. Petrop. XVIII, 439 (1899), in XXII, 251, t. 5 (1903); Fl. Mansh. II, 251, t. 5 (1904); NAKAI, Fl. Kor. I, 27 (1909) partim, Chosen-Shokubutu I, 71 f. 65 (1914).

var. ***typicum*** NAKAI.

Cassis albo-ochroleuca rostrata. Sepala lateralibus et inferiora tota vel apice sordide purpurea vel violaceo-purpurea.

Nom. Jap. *Sirobana-Reizin-Kadzura*.

Hab. in Korea.

Prov. Kannan : Fluv. Jalu (V. KOMAROV no. 671, Aug. 1897—typus); in herbis trajectus Unsuirei (T. NAKAI no. 15448, Aug. 16, 1935); in herbis Fusen-Kôgen (T. NAKAI no. 15449, Aug. 15, 1935); in herbis montis Hakuganzan (T. NAKAI no. 15450, Aug. 14, 1935).

var. ***purpurascens*** NAKAI, var. nov.

Syn. *Aconitum alboviolaceum* KOMAROV apud NAKAI, Fl. Kor. I, 27 (1909), partim; Report First Sci. Exped. Manchoukuo, sect. IV pt. 2, 145 (1935), partim.

Cassis pallide violaceo-purpurascens antice rostrata. Sepala lateralialia et inferiora saltem apicem intense violacea.

Nom. Jap. *Reizin-Kadzura*.

Hab. in

Korea. Prov. Kannan : inter Gyomenpô et Shasenri (T. NAKAI, no. 2746, Jul. 24, 1914—typus); in silvis Sôdenrei (T. NAKAI no. 1570, Jul. 11, 1914); inter Sansui et Sinkabatin (E.H. WILSON no. 9116, Sept. 5, 1917); in herbidis inter Futempô et Hôtaiidô (T. NAKAI no. 3924, Aug. 4, 1914).

Prov. Heihoku : Zyônandô (T. MORI, Jul. 23, 1916).

Prov. Kanhoku : Engan (E.H. WILSON no. 8978, 8981, Aug. 22, 1917); distr. montis Hakutôzan (T. MORI, Aug. 1913); in monte Yûkokurei (T. NAKAI Jul. 18, 1918); pede montis Kanbôhôtô (T. NAKAI no. 7012, Jul. 19, 1918); in trajectu Kapporei (T. NAKAI no. 3200, 3266, Aug. 19, 1914); inter Nansendô et Kôkôki (T. NAKAI no. 2741, Aug. 27, 1914).

Manshuria.

Prov. Feng-tien : in monte Tien-Shan (M. NISIMURA, Aug. 29, 1911); in monte Chie-Kuan-Shan (M. KITAGAWA, Aug. 8, 1926); Lien-Shan-Kuan (K. YAMATUTA, Aug. 3, 1931); Tsao-He-Kou (M. KITAGAWA, Jul. 31, 1929); in monte Fêng-Huang-Shan (K. YAMATUTA).

Prov. Jehol : in monte Wu-Ling-Shan (T. NAKAI, Sept. 1, 1933); in dumosis trajectus Hsia-Tao-Êr-Ling (T. NAKAI, Aug. 22, 1933); in silvis Chang-Shan-Yü (M. KITAGAWA, Sept. 15, 1933).

12) **Aconitum** (*Lycocotum*) **pteropus** NAKAI, sp. nov.

Affine *A. fudjisanense* et *A. pterocaulis*, sed ex primo petiolis alatis, ramis alatis, floribus majoribus, casside latiore, ovario glabro; et a secundo caule ad apicem alato, ramis alatis, petiolis trialatis, ovario glabro differt.

Caulis elongatus flexuosus per totam longitudinem alatus ad inflorescentiam tantum recurvato-ciliolatus. Petioli elongati crassi trialati (dorso 1, quoque latere 1). Lamina foliorum supra glaberrima viridis opaca infra viridula supra nervos primarios tantum accumbente ciliata alte 5–7 secta, segmentis grosse mucronato-serratis et incis; 9–13 cm longa 12–18 cm lata. Rami flexuosi elongati. Racemi in apice ramorum terminales dense minute recur-

vato-ciliolati simplices vel basi ramo unico suffulti. Bracteæ infimæ trifidæ, ceteræ integræ pellicellos superantes. Pedicelli 3-6 mm longi basi bibracteolati recurvato-ciliolati. Flores pallide purpurascentes. Cassis 17-20 mm alta erecta apice recurva obtusa minute recurvato-ciliolata, antice incurvato-rosstrata. Sepala lateralialia rotundata dorso accumbente ciliolata intus recto-fuscescenti-barbata circ. 1 cm longa. Sepala inferiora oblonga 7-8 mm longa. Filamenta 1-2 dentata glabra. Ovaria 3 glaberrima.

Nom. Jap. *Hirehari Reizinsô*.

Hab. in Korea.

Prov. Kôgen : Rankoku (T. ISIDORA no. 1568, Aug. 14, 1916—typus).

筆者ハ植物學雜誌上デ日本植物管見ト題シテ二十餘年間ニ亘リ約千三百種ノ東亞植物ヲ紹介シテ來タガ近頃日本植物學會ノ方針トシテ論文ノ出版ニ大キナ制限ヲスル様ニナツタ。私ハ最モ多クノ論文ヲ書イター一人デアリ從來通りニ續ケレバ自然他ノ研究者ノ論文出版ニ支障ヲ來スコトニナルカラ今後ハ特別ノ場合ヲ除ク外ハ植物學雜誌ニハ論文ヲ出サズ其代リニ此植物研究雜誌ヲカリテ自說ヲ發表スルコトニ決意シタ。此際題目モ東亞植物拾遺ト改メ續クダケ書イテ見ル。

1) 栽培品ノしやくやくニハ子房ニ毛ノナイモノト白イ密毛ノアルモノト 2 ツアル。前者ガ *Paeonia albiflora* PALLAS 其物デアリ後者ハ其變種ナル var. *trichocarpa* BUNGE デアル。前者ノ野生品ハ西比利亞、北支那、蒙古、滿鮮ニ多クアルガ單瓣デ白色又ハ淡桃色ノガ多イ。然シ後者ノ野生品ハ未ダ植物學者ニ記サレタコトハナイ。其野生品ニ葉裏ニ毛ノナイモノト毛ノアルモノトノ 2 品種ガアル前者ハ明治 39 年ニ熱河省カラチン王府デ烏居龍藏氏ガ採リ明治 42 年ニ私ハ朝鮮咸鏡北道茂山嶺デ採集シテ居ル。毛ノアル方モ朝鮮ニアツテ明治 42 年ニ私ハ元山ノ西方約 2 里ノ無名ノ山デ採リ、總督府林業試驗場勤務ノ鄭台鉉君ハ昭和 10 年京畿道光陵ノ山林内デ發見シタ。

2) やましやくやく *Paeonia japonica* MIYABE & TAKEDA ガ紅花やましやくやく *Paeonia obovata* MAX. トハ別種デアルコトハ武田久吉氏、SAUNDERS 氏ナドノ記シテ居ルコトデ今更改メテ云フ必要ハナイガ其ガ朝鮮ノ山ニモ自生シテ居ルコトノ判ツタノト、やましやくやくニモ紅花やましやくやく同様ニ葉ニ毛ノアルモノト無イモノトガアルカラ一寸記シテ置ク、毛ノナイ方ガやましやくやく其物デ var. *typica* NAKAI トシ毛ノアル方ヲけやましやくやく var. *pilosa* NAKAI トスル。此兩型共ニ乾燥シタ根ヲ折ツテ見ルト折レログ白イカラ漢法

デ白芍藥ト云フ。之ニ對シテしやくやくノ方ハ折口ガ赤イカラ赤芍藥ト云フ。内地人ハ同一種ノしやくやくノ花色デ白ト赤トヲ分ケルケレドモ漢藥ノ方デハ種類ノ異ツタモノデ乾シタ根ノ折口ノ色デ區別スル。

3) やちまたちだけさし

此名ノ植物ハ朝鮮デ始メニ發見サレタモノダガ葉ハあかしようまニ似テ脈ハ深ク凹ミ花ハ細長イ淡桃色ノ花瓣ヲ附ケ極メテ密生シ餘程美シイ。始メ乾燥標本デ見テ 1926 年ニ *Astilbe chinensis* MAX. var. *divaricata* NAKAI ト命ジタガ生品ヲ見ルト *Astilbe chinensis* トハ穂ノ枝ノ長ク且ツ開コト花色ノ異ナルコト花瓣ノ大キク廣キコト小葉片モ大キク且ツトガルコトデ明瞭ニ區別サレルカラ新ニ *Astilbe divaricata* NAKAI ト改名スル。此植物ハ朝鮮計リデナク九州ニモアリ 1925 年ニ仙石忠良氏ガ豊後國上由布デ採リ 1928 年ニハ岩永きくえ嬢ガ肥前國溫泉岳デ採リ何レモ東京帝國大學醫學部藥學教室ニ送ラレテ居タガ最近理學部ノ植物學教室ニ移管サレタ。山陽ノ西部ト九州ノ北部トニハ殊ニ朝鮮ト共通ノ植物ガ數アルガ此やちまたちだけさしモ其一デアル。

4) だふりあきんみづひき。

此植物ハ始メニ *Agrimonia davurica* WILLDENOW ト命名サレタモノデアルガ東部西比利亞ニアル *Agrimonia pilosa* LEDENBOUR トハ大差ノナイモノデアルカラ私ハ 1933 年ニ *Agrimonia pilosa* f. *davurica* ト改名シテ置タ。きんみづひきニ似テ枝ヲ打タズ莖ニハ毛ガナク又葉ニハ主脈ノミニ臥毛ガアル。昨年朝鮮總督府林業試驗場勤務ノ鄭台鉉君ガ京城府清涼里デ發見シタノガ朝鮮デ始メテ發見サレタノデアル。多分滿洲、朝鮮ニハ他所ニモアルノデアラウ。

5) 支那ノ杉。

杉屬 *Cryptomeria* ハモト我邦ノ特産ノ松柏類ノ一屬トサレテ居タモノデアリ本島、四國、九州ヲ經テ大隅ノ屋久島ニ終ル日本本部ヲ分布區域トスル。然シ秋田ノ杉ト高知ノ杉、屋久ノ杉、富士天城ノ杉等何レモ苗圃デノ形又若木、葉型等ニ多少ノ差異ガアリ精密ニ云ヘバ地方的品種ハ相當ニ分ケ得ラレルケレドモ未ダ別種ト認ムベキモノハ故早田博士ガ大正 6 年ニ河合林學博士ガ支那ノ雲南ノ佛領界ニアル大森林中デ發見シテ採ツテ來タ標本デ *Cryptomeria Kawaii* HAYATA ト命名シタノガ始メテデアル。今デモ外國ノ學者ハ之ヲ獨立ノ種トハ認メナイガ之ヲ早田氏ガ發表スル際一應私ニ相談ガアリ私ハ種トスベキヲ主張シタノデ早田氏ガ獨立種トシテ發表シタニ就テハ大半ノ責任ガ私ニアルシ又今デモ獨立種タルコトヲ疑ハヌノデアル。支那ノ杉ガ日本ノ杉ト異ナル要點ハ第 1 ニ葉ガ細クテ高知ノ杉ニ似テ居ルコト、第 2 ニ毬果ノ果鱗ノ突起ガ日本産ノ

モノヨリモ著シク短イ爲メ毬果ガ丸坊主ノ觀ガアルコト。第3ニハ支那ノ中部ヤ臺灣ニハナク飛ンデ南端ノ佛領トノ界ニアルノミデ分布ノ上カラ見テモ日本ノ杉トハ同一種トハ考ヘ難イ。屋久島ト種子島トニ屋久種子五葉ト云フ五葉松ガアル。之ヲ北米ノ松屬ノ專門家デアル SHAW 氏ハ支那ノ *Pinus Armandi* FRANCHET ト同一種トシテ居タガ分布ノ上カラム首肯シ得ナイシ又特徴モ違フシ獨立種 *Pinus amamiana* KOIDZUMI ノ方ガヨイ。*Pinus Armandi* ハ支那ノ中部ニ多クアリ臺灣ノ山地ニモ自生スルガ杉ニ至テハ種久島カラ雲南ノ南境迄飛ブノデ常識デ考ヘテモ同種タルベキ筈ガナイ。唯早田氏ヨリ一年前ニ屢々問題トナル故 LÉVEILLÉ 氏ガ雲南植物目錄ヲ出版シテ居ル中ニ *Cupressus Mairi* ト云フ新種ヲ記載シテ居ル。之ガ實際ハ *Cupressus* 屬ノモノデハナイガ LÉVEILLÉ 氏ハ其丸イ毬果ヲ見テ *Cupressus* 屬ノモノト速斷シタノデアル。而シテ之レガ雲南ノ杉デアル。命名規則ニ從ヒ支那ノ杉ノ學名ハ *Cryptomeria Mairi* (LÉVEILLÉ) NAKAI ト改名ヲ餘儀ナクサレルガ改名スル筆者自身モ餘リ氣持ノヨイ事デハナイ。

6) KOMAROV, KLOBUKOVA-ALISOVA 兩氏著 Key of plants of Far Eastern Region of USSR 第1卷ニ圖解シテアル *Aconitum Raddeanum* ハ REGEL 氏ノ圖解シタ種トハ全ク異リ 1909 年ニ私ガ朝鮮植物誌第1卷ニ圖解シテ置イタもとりとりかぶと *Aconitum Uchiyamai* デアル。

7) 一昨年朝鮮ノ新名所デアル赴戰高原ニ行キ遮日峯ニ登ツタ。途中雲仙嶺ト云フ峠ノ上カラ遮日峯ニ向フ間ノ十數町ハえぞまつたうしらベトノ樹林ノ下ニ一面ニ高サ 1-1.5 米突ノとりかぶとガ濃堇色ノ花ヲ開キ實ニ見事デアツタガ此とりかぶとハ「カムチヤツカ」、沿海州、樺太ニアル *Aconitum Fischeri* REICHENBACH ニ一番近イ種デアル。唯異ルノハ子房ニ全然毛ガナイダケデアル。眞ノ *Aconitum Fischeri* ニハ心皮ノ腹面ノ縫合線ニ沿フテ毛ガアル。其故一變種ト見倣シテ *Aconitum Fischeri* var. *leiogynum* NAKAI 北鮮おほぶシト命名スル。之ニハ白花品モアル。

8) 北朝鮮ニヤちまたぶシ *Aconitum paniculigerum* NAKAI ト云フ濃堇色ノ花ガ圓錐花叢ヲナシ花軸ト小花梗ニ開出スル毛ノアルとりかぶとノ一種ガアル。其心皮ノ毛ノナイノガ基本型デアルガ赴戰高原ニ越ス白岩山ノ頂附近ニハ堇色ガ失セテ淡綠黃色ニナツタ花ヲ咲ク一變種許ガアル。之ヲ forma *ochroleucum* 淡黃やちまたぶシト云フ。又北川學士ガ昨夏吉林省威虎嶺附近デ採ツタモノハ花ハ濃堇色デアルケレドモ花軸ニ毛ガナク小花梗ノ先ニノミ開出スル毛ガアル。之ヲ forma *glabrescens* 滿洲やちまたぶシト云フ。又咸北、咸南ノ

界ニアル崔哥嶺ニハやちまたぶしノ心皮ニ毛ノ密生スルノガアル、之ヲ *var. lasiogynum* ラシヤみのやちまたぶしト云フ。

9) 昨年ノ夏北川學士ハ興安南省博克圖ノ草原デ珍ラシイト리카ぶトヲ採集シタ。其ハ私ガ東亞植物圖説第1卷第3輯第27圖ニ圖解シタつるからふとぶシニ近イモノデアアルガ葉ハ小型デアリ裂片ハ約半分位狭ク花ノ大サモ半分位ヨリナイ。而シテ小花梗ハ短ク僅ニ 7-15 mm ヨリナク表面ニハ下方ニ屈ル微毛ガアル。又心皮ハ各花ニ 3 個宛ヨリナク其全表面ニハ密毛ガアルカラ全然つるからふとぶシトハ別種デアアルガ莖ノ下部カラ長イ鞭狀ノ枝ヲ出シ其先ニ 1-2 個ノ花ヲツケル事ハつるからふとぶシト全ク同ジデアツテト리카ぶと類ノ習性トシテハ殊ニ此兩種ガ持つ特異性デアル。私ハ此博克圖ノト리카ぶトニイとうづ *Aconitum tenuissimum* NAKAI ト命名スル。滿洲ハ廣イ土地ダケニ斯様な變ツタ植物ガ未ダ澤山ニ學者ノ目ニ觸レズニ殘ツテ居ル。

10) 昨年朝鮮總督府林業試驗場ノ鄭台鉉君ガ京畿道光陵ノ樹林内デほそばつるうづト見誤ツテ採集シター種ノト리카ぶトガアル。此モノハ忠北ノ俗離山ノ最高峯天王峯ノ頂近イなら林中ニアルむかごと리카ぶト *Aconitum proliferum* NAKAI (第一次滿蒙學術調查研究團報告第4部第2篇150頁參照)ニ近イ種デ莖ノ先ハ鞭狀ニ伸ビテ地ニツキ先ノ方ノ數個ノ葉腋カラハ各1個ノむかごヲ附ケ其ガ根ヲ下シテ繁殖スル。然シむかごと리카ぶトデハ全然花ガ出ズ唯此むかごト根トデ無性的ニ増殖スルガ鄭君ノ採集シタモノハ鞭狀部ノ下ノ方即チ莖ノ中央部ノ葉腋カラ繖房花序ヲ出シ細長イ小花梗ノ先ニハ淡碧董色ノ花ヲ附ケ其色ト其形トハ共ニ内地產ノやまと리카ぶト *Aconitum japonicum* THUNBERG 又ハ鮮滿產ノあれなれぶシ *Aconitum jaluense* KOMAROV, みつばと리카ぶト *Aconitum triphyllum* NAKAI ナドト同ジデアリ心皮ハ各花ニ 3 個宛アツテモガナイ。新種デアアルカラいぬむかごと리카ぶト *Aconitum pseudoproliferum* NAKAI ト命ズル。嘗テ眞島利行、杉野目晴貞、森尾森一ノ諸博士ガと리카ぶトノ成分ヲ研究スル時光陵カラほそばつるうづ *Aconitum volubile* Kœlle ノ根ヲ掘取ラセタ事ガアル。其時ニ鑑定ノ爲メニ送り來シタモノハ眞ノほそばつるうづデアツテ今モ東京帝國大學理學部植物學教室ノ標本室ニ保存シテアルガ掘採ツタノハ人夫共故果シテ監督者ガ他種ト區別シテ採ラセタカ頗ル疑ハシクナル。

11) KOMAROV 氏ガ最初ニ記載シタ *Aconitum albo-violaceum* ハ花被ガ淡黄色デ唯冠萼ノ嘴狀部ノ先ト側萼片ト下萼片ノ全部又ハ先丈ケガ濃紫色デアル。此色ノ花ヲ附ケルモノハ一昨年始メテ咸南ノ白岩山デ見次デ咸泰里ヤ雲仙嶺デモ採集シタ。ツマリ赴戰高原一帯ノ地方ニハ此色ノ花ヲ咲クモノ許リガアルガ

北鮮、滿洲、熱河等ニアル普通品ハ花ガ淡紫色デアル。淡黄色ノモノハ此紫色ガ失セタモノニ過ギナイガ此失セタ方ガ基本型故之ニ白花れいじんかづら var. *typicum* NAKAI トツケ淡紫色ノモノヲれいじんかづら var. *purpurascens* NAKAI ト呼ブ事ニシタ。

12) 朝鮮江原道ノ洗浦ヤ蘭谷ノ山ニ蔓生ノれいじんさうノ一種ガアル、其著シイ特徴ハ莖ニ全長ニ亘ツテ翼ノアルコト。葉柄ニハ兩側ト背面トニ都合3ツノ翼ガアルコトデアル。花色ハ普通ノれいじんさうノ様ニ淡紫デアリ心皮ハ3個無毛デアル。之ニひれはりれいじんさう *Aconitum pteropus* NAKAI ノ名ヲツケル。抑もれいじんさう類ヲとりかぶと類ト同一屬ニ入レルコトハ今デハ不賛成デアル。兩屬ノ主要ナル差別點ハ次ノ諸點ニアル。

(1) とりかぶと屬 *Aconitum* L.

根ハ2年生即チ莖ノ下方即チ根出葉又ハ其ニ近イ葉ノ腋芽ガ延ビテ球根ヲツクリ上ニ芽ヲ出ス、之ガ漢法デ云フ附子デアリ之ガ翌年延ビテ莖ヲツケ其莖ニ附ク様ニナツタ根ヲ漢法デ烏頭ト云フノデアル。斯ル根ノ繁殖ノ仕方ハ種子カラ生エテ年々改マル一年生ノ草本ノ根トハ全然意味ガ異リ匍枝ヲ出シテ繁殖スルノト本質ニ於テハ異ナラナイノデアル。又上萼片即チ帽狀萼ハ淺ク小舟ヲ逆ニシタ様ニナツタリ又ハ帽子狀ニ高クナル、若シ甚ダシク高クナルト其先ハ前方ニ屈ム様ニナル。

(2) れいじんさう屬 *Lycotomum* FOURRIER

根ハ多年生デ分叉シ又ハ分叉ノ枝ガ互ニ相癒着シ合フコトスラアル。從テ莖ハ次々ニ其頭ノ所カラ出テ決シテ年々根ヲ新ニスルコトハナイ。又上萼片ハ圓筒狀デ直立スルカ又ハ先ガ後方即チとりかぶと屬トハ反對ノ方向ニ屈スルカ又ハ卷ク。

以上ノ區別ニ依ツテれいじんさう屬ヲ復活サセルト東亞産ノ種類ノ學名ハ次ノ様ニナル。

1. *Lycotomum alboviolaceum* NAKAI (*Aconitum albo-violaceum* KOMAROV)

var. *typicum* NAKAI 白花れいじんかづら

var. *purpurascens* NAKAI れいじんかづら

2. *Lycotomum barbatum* NAKAI (*Aconitum barbatum* PERSOON)

ほそばきえぼしさう

3. *Lycotomum chrysopilum* NAKAI (*Aconitum chrysopilum* NAKAI)

いぶきれいじんさう

4. **Lycoctonum gigas** NAKAI (*Aconitum gigas* LÉVEILLÉ & VANIOT)
おほれいじんさう
var. **minus** NAKAI ひめれいじんさう
5. **Lycoctonum fudjisanense** NAKAI (*Aconitum fudjisanense* NAKAI)
ふじれいじんさう
6. **Lycoctonum kirinense** NAKAI (*Aconitum kirinense* NAKAI)
ひろはきえぼしさう
7. **Lycoctonum koisikawense** NAKAI (*Aconitum koisikawense* NAKAI)
しろばなれいじんさう
8. **Lycoctonum Loczyanum** NAKAI (*Aconitum Loczyanum* R. RAYMUND)
れいじんさう
9. **Lycoctonum longicassidatum** NAKAI (*Aconitum longe-cassidatum* NAKAI) しらちやれいじんさう
10. **Lycoctonum ochranthum** NAKAI (*Aconitum ochranthum* C.A. MEYER)
おほきえぼしさう
11. **Lycoctonum pseudolæve** NAKAI (*Aconitum pseudolæve* NAKAI)
つるれいじんさう
12. **Lycoctonum pterocaulæ** NAKAI (*Aconitum pterocaulæ* KOIDZUMI)
あづまれいじんさう
13. **Lycoctonum pteropus** NAKAI (*Aconitum pteropus* NAKAI)
ひれはりれいじんさう
14. **Lycoctonum quelpærtense** NAKAI (*Aconitum quelpærtense* NAKAI)
耽羅れいじんさう
15. **Lycoctonum scaposum** NAKAI (*Aconitum scaposum* FRANCHET)
16. **Lycoctonum sibiricum** NAKAI (*Aconitum sibiricum* POIRET)
きえぼしさう
17. **Lycoctonum sinanomontanum** NAKAI (*Aconitum sinanomontanum* NAKAI) しなのれいじんさう
18. **Lycoctonum sinomontanum** NAKAI (*Aconitum sinomontanum* NAKAI)
五臺れいじんさう
19. **Lycoctonum siroumense** NAKAI (*Aconitum siroumense* NAKAI)
白馬れいじんさう